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The Design of an All Terrain Vehicle

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THE DESIGN OF AN
ALL TERRAIN VEHICLE

FOR

MET-497

Submitted by

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May 13, 1974

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ABSTRACT

This report develops the design of an All Terrain Vehicle (ATV). A design consisting of two jointed body sections, articulated steering, reciprocating engine, and hydraulic four wheel drive.

The entire unit is design in full scale to its feasibility. The intent of the report is to see if this type of unit is more advantageous over other units on the market today.

The ATV was tested in various catagories, such as speed, maneauverability, handling and climbing. The results proved favorable as per design criteria.

The cost of the ATV as designed is approximately \$1000. This price is based on a prototype model. It would cost less under production conditions.